

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/992,420	CHANG ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Wen-Tai Lin	2154	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 6/7/2007.
2. ☒ The allowed claim(s) is/are 1-43 and 67-78 and 80-87, renumbered as 1-63.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.   |

### EXAMINER'S AMENDMENT

1. Examiner Comments: Acknowledgement is made of the receipt of a terminal disclaimer, filed 6/7/2007, citing application 09/992417 as pending reference application. It is noted that in the previous office action the instant application was provisionally rejected under non-statutory obvious-type double patenting against applications 09/992417 and 09/992413. Since application 09/992417 has been abandoned as of 5/23/2005 and the current amendment has incorporated the limitation of claim 79 (of which subject matter is not included in the claim languages of application 09/992413) into the remaining independent claims (1 and 67), the terminal disclaimer is no longer needed for purpose of overcoming the double patenting rejection against the aforementioned applications.

2. An examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable, an amendment may be filed as provided by 37 C.F.R. 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

Authorization for the examiner's amendment was given in a telephone interview with Mr. Mark Meininger, reg. no. 32428, on August 3, 2007.

3. In the claims: Please amend claim 1 to the following:

1. (Currently amended) A data output method for rendering at an output device output content managed from an information apparatus, comprising:

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obtaining a document object relating to the output content managed from the information apparatus;

obtaining an output device object with one or more attributes corresponding to the output device;

providing the document object and the output device object to a server application operated on a server that is distinct from the information apparatus and the output device, and generating with the server application output data employing at least partly the document object and the output device object; and

providing the output data to the output device for rendering the output content,

wherein the output device includes an output engine that can output the output content to an output medium in accordance with a device-dependent output data acceptable to the output engine and a connection to an output controller, ~~the method further comprising:~~

~~wherein the output controller provides~~providing at least part of the output device object to the information apparatus[[]], ~~receives~~receiving an output data from the information apparatus[[]], ~~passes~~passing the output data to a selected output device for rendering of the output content[[]], and ~~provides~~providing a user interface for receiving user-implemented modifications of the controller.

4. The Abstract is being rewritten to comply with the limitation of no more than 150 words.

See the attached page.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wen-Tai Lin whose telephone number is (571)272-3969. The examiner can normally be reached on Monday-Friday(8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(571)273-8300 for official communications; and

(571)273-3969 for status inquiries draft communication.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wen-Tai Lin

August 4, 2007

*Wen-Tai Lin*  
8/4/07

### **Abstract of the Disclosure**

Pervasive output capability is provided so that an information apparatus can pervasively output digital content to an output device. A data output system for rendering at an output device output content managed from an information apparatus includes means for obtaining a document object relating to the output content managed from the information apparatus and means for obtaining an output device object with one or more attributes corresponding to the output device. The document object and the output device object are provided to a server application that is operated on a server that is distinct from the information apparatus and the output device and that generates output data employing at least partly the document object and the output device object. The output data is then provided to the output device for rendering the output content.